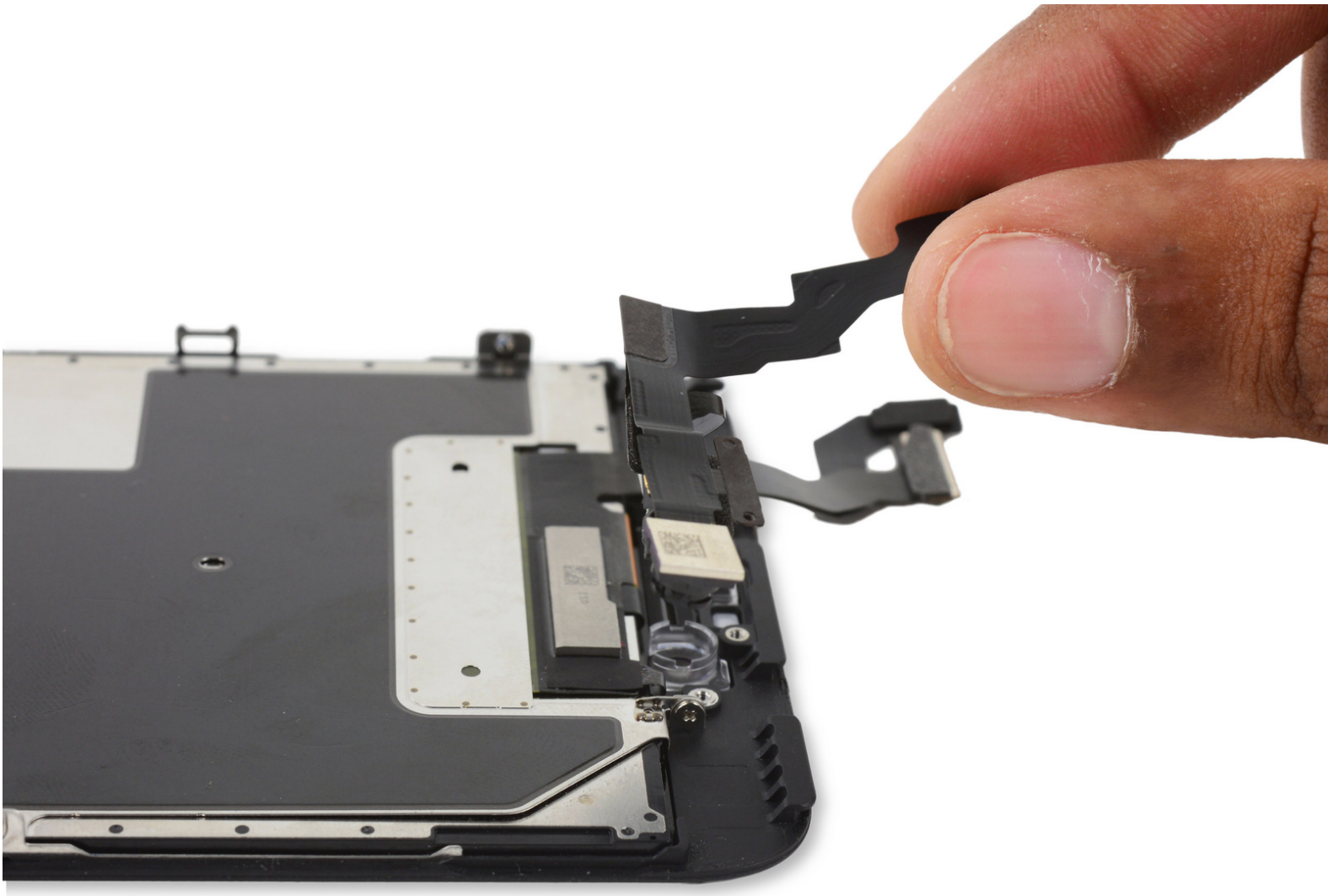




iPhone 6s Plus FaceTime Camera and Sensor Assembly Replacement

Replace the FaceTime camera and sensor assembly flex cable in an iPhone 6s Plus.

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INTRODUCTION

Follow the steps in this guide to replace the FaceTime camera and sensor assembly flex cable in an iPhone 6s Plus.



TOOLS:

- [Suction Handle](#) (1)
- [Spudger](#) (1)
- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Tweezers](#) (1)




PARTS:

- [iPhone 6s Plus Front Camera and Sensor Cable](#) (1)
- [iPhone 5 to 6s Plus Front Camera Gasket Pads](#) (1)

Step 1 — Pentalobe Screws




 Before disassembling your iPhone, discharge the battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.

- Power off your iPhone before beginning disassembly.
- Remove the two 3.4 mm Pentalobe screws on either side of the Lightning port.

Step 2 — Opening Procedure




 Opening the display on the 6s Plus separates a thin strip of adhesive around the perimeter of the display. If you prefer to replace the adhesive, have a set of new adhesive strips ready before you continue. It's possible to complete the repair without replacing the adhesive, and you probably won't notice any difference in functionality.

- Apply a suction cup to the lower left corner of the display assembly.

Step 3



- Pull up on the suction cup with firm, constant pressure to create a slight gap between the front panel and rear case.

 Pulling too hard may damage the display assembly. Apply just enough pressure to create a small gap between the display assembly and the rear case.

Step 4



- The safest place to pry from is the notch in the front panel above the headphone jack.
- While still maintaining pressure on the suction cup, insert the flat tip of a spudger into the gap, directly above the headphone jack.

Step 5



- Twist the spudger to widen the gap between the front panel and the rear case.

Step 6



- While firmly pulling up on the suction cup, slide the edge of the spudger under the bottom left corner of the display.

Step 7



- Slide the tip of the spudger up the left side of the phone, between the front panel and the rear case.

Step 8




- Insert the flat tip of the spudger under the right edge of the display.
- Slide the spudger up the right side.

Step 9



- Use a plastic opening tool to hold down the rear case while pulling up the suction cup to open the phone.

 Do **not** remove the display completely, or you will damage the data cables connecting the display near the top edge of the iPhone.



Step 10



- Pull up on the small nub on the suction cup to remove it from the display.

Step 11



- Gently grasp the display assembly and lift it up to open the phone, using the clips at the top of the front panel as a hinge.
 - Open the display to about a 90° angle, and lean it against something to keep it propped up while you're working on the phone.
-  Don't open the display more than 90°—it is still connected to the top of the phone by the display, digitizer, and front camera cables which can tear easily.
- Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.
-  In a pinch, you can use an unopened canned beverage to support the display.

Step 12 — Battery Connector



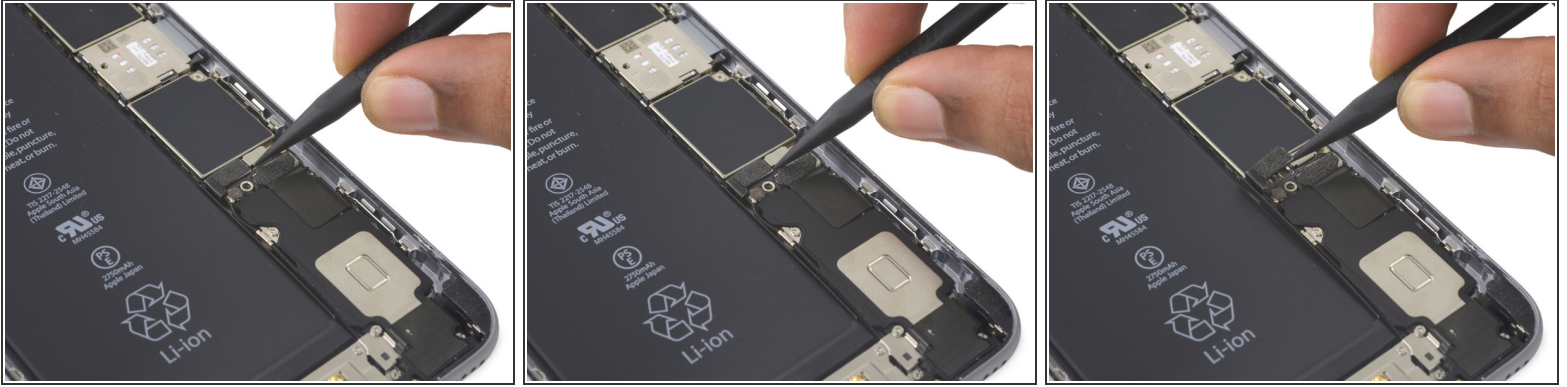
- Remove the following Phillips screws securing the battery connector bracket to the logic board:
 - One 2.9 mm screw
 - One 2.3 mm screw

Step 13



- Remove the battery connector bracket.

Step 14



- Use the pointed tip of the spudger to disconnect the battery connector from the logic board.

Step 15



- Bend the connector back to ensure it doesn't make contact and power the iPhone on while you're working on it.

Step 16 — Display Assembly



- Remove the following Phillips screws:
 - Three 1.3 mm screws
 - One 1.6 mm screw
 - One 3.0 mm screw
- ☑ During reassembly, it's critical to place this 3.0 mm screw in the top-right corner of the bracket. Placing it anywhere else may damage the logic board.


Step 17



- Remove the display cable bracket.

Step 18



 Be careful to only pry up on the connector itself and not the socket on the logic board.

- Use a plastic opening tool to disconnect the front-facing camera and sensor cable connector.

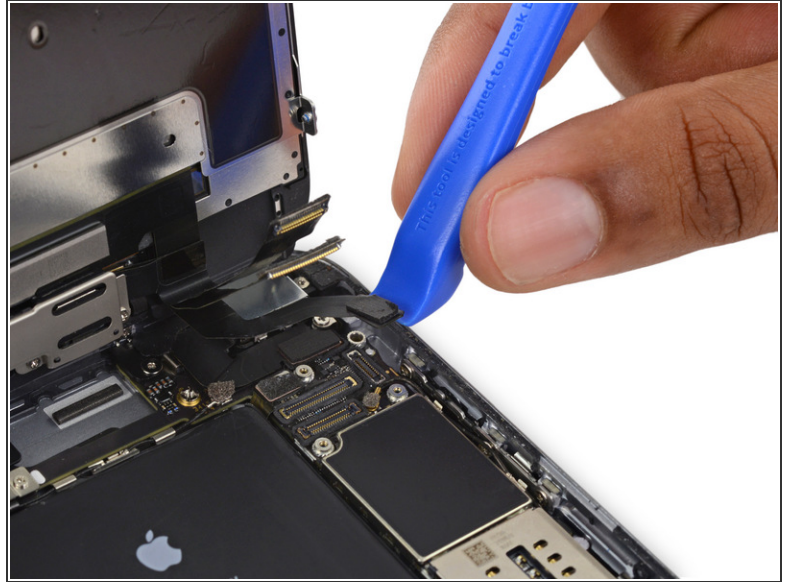
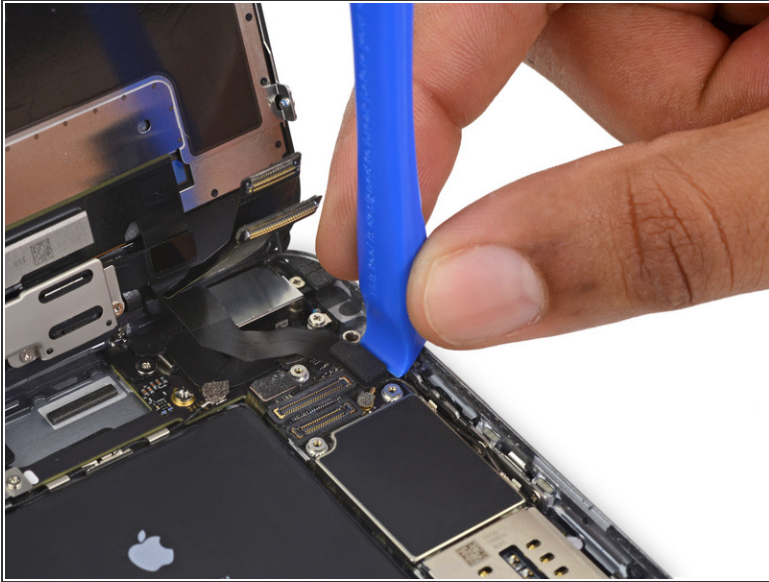
Step 19



- Use a plastic opening tool to disconnect the digitizer cable by prying it straight up from its socket on the logic board.

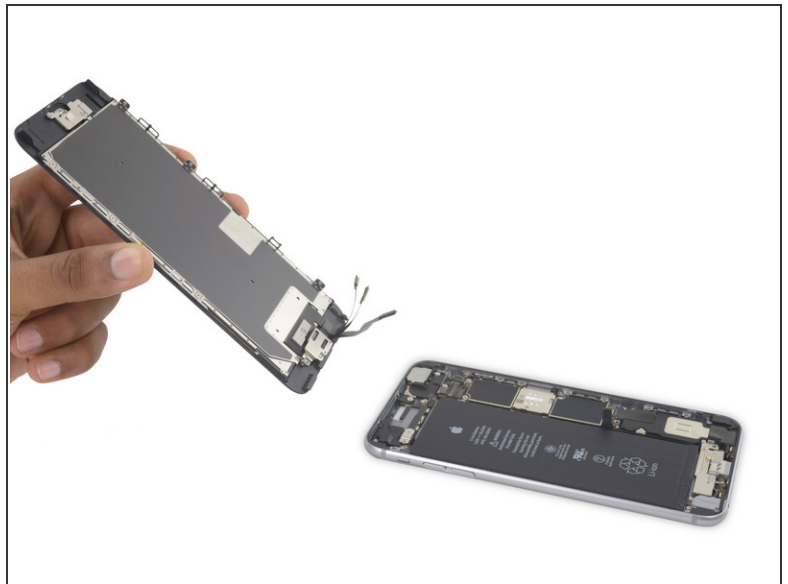
✦ When reconnecting the digitizer cable, **do not press the center of the connector**. Press one end of the connector, then press the opposite end. Pressing in the center of the connector can bend the component and cause digitizer damage.

Step 20



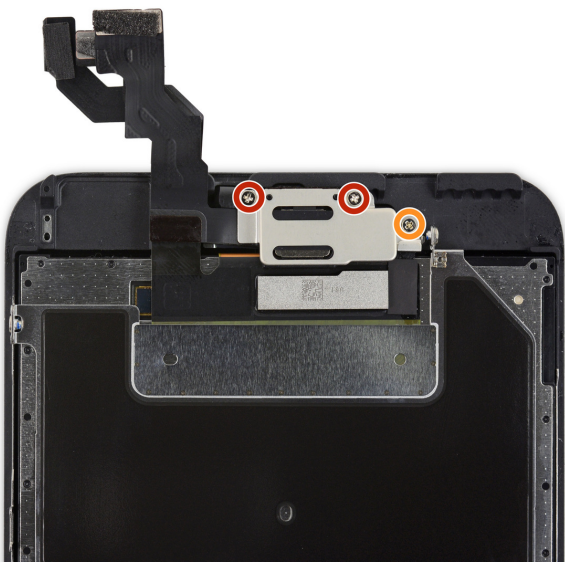
- Use a plastic opening tool to disconnect the display data cable by prying it straight up from its socket on the logic board.

Step 21



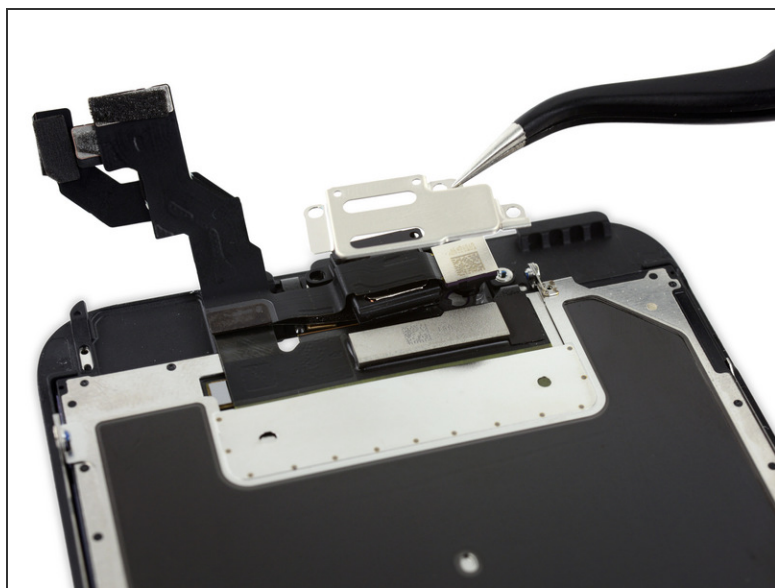
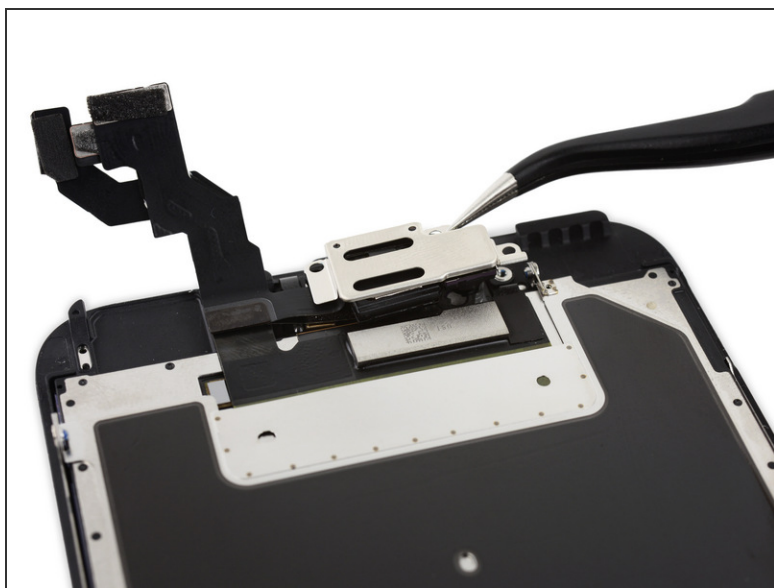
- Remove the display assembly.
- ☑ During reassembly, pause here if you wish to [replace the adhesive around the edges of the display](#).

Step 22 — Earpiece Speaker



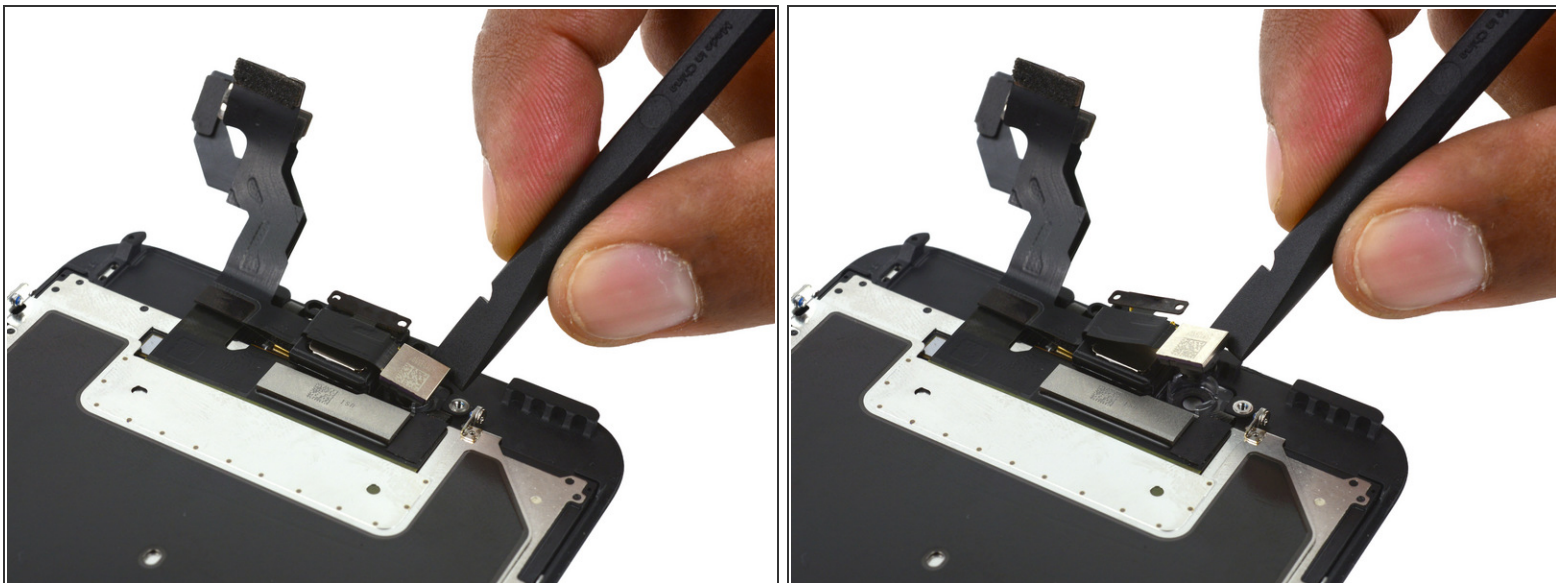
- Remove the following three Phillips screws:
 - Two 2.7 mm screws
 - One 1.4 mm screw

Step 23



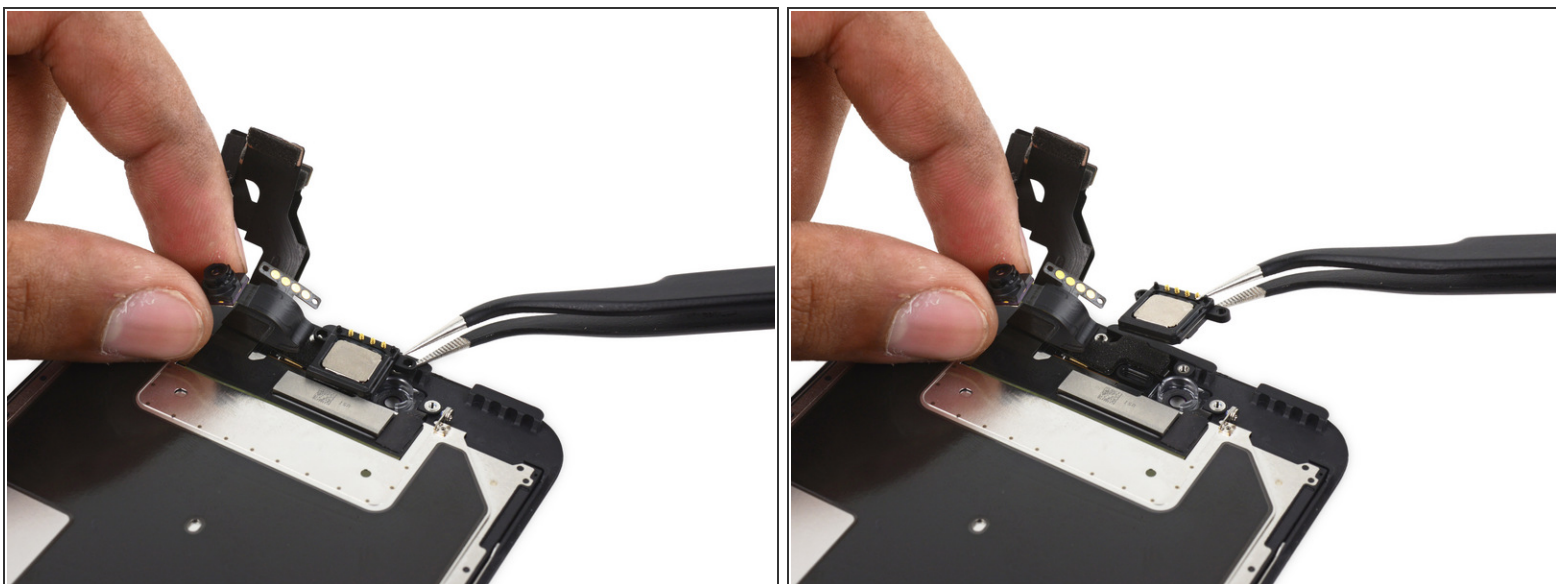
- Remove the earpiece speaker bracket.

Step 24



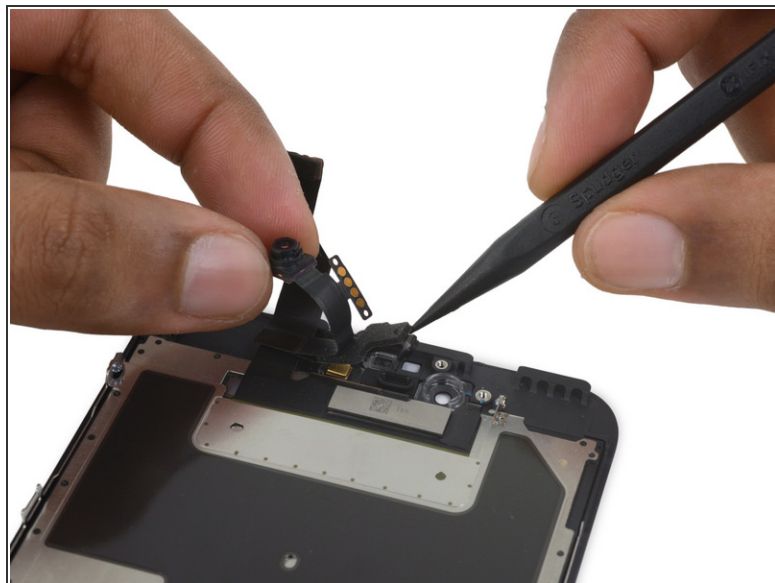
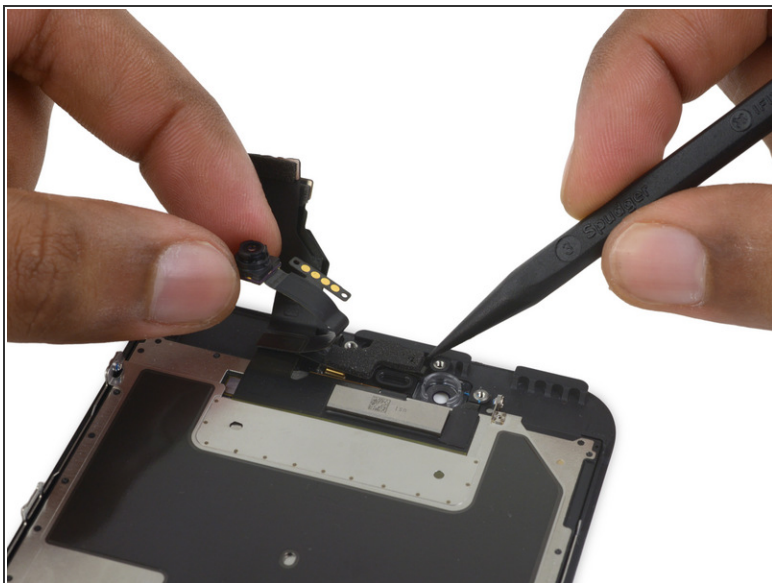
- Use the flat end of a spudger to lift the FaceTime camera out of its housing.

Step 25



- Pull the FaceTime camera back and remove the earpiece speaker.

Step 26 — FaceTime Camera and Sensor Assembly



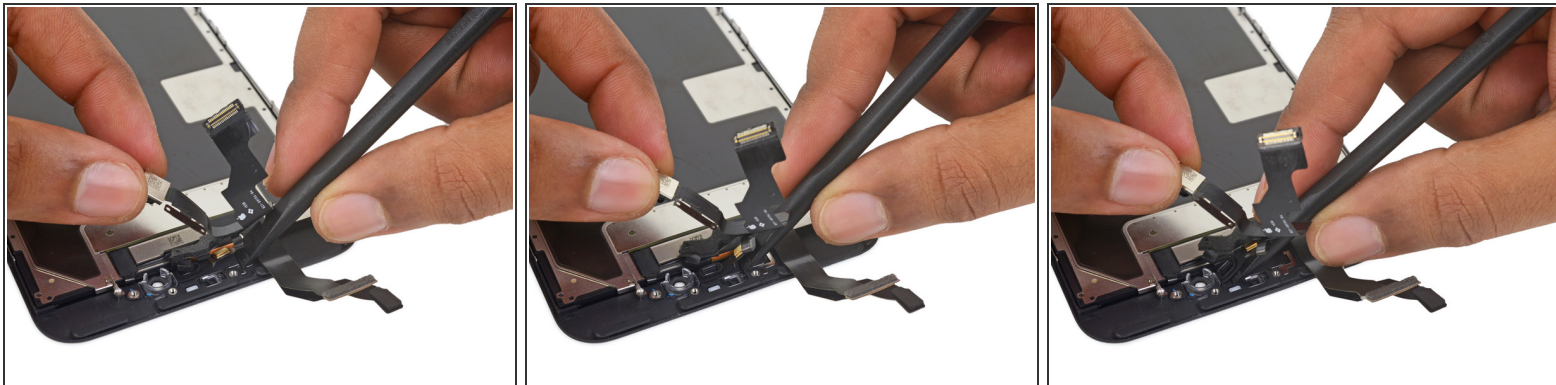
- Use the pointed tip of a spudger to lift the ambient light sensor from its housing in the front panel.

Step 27



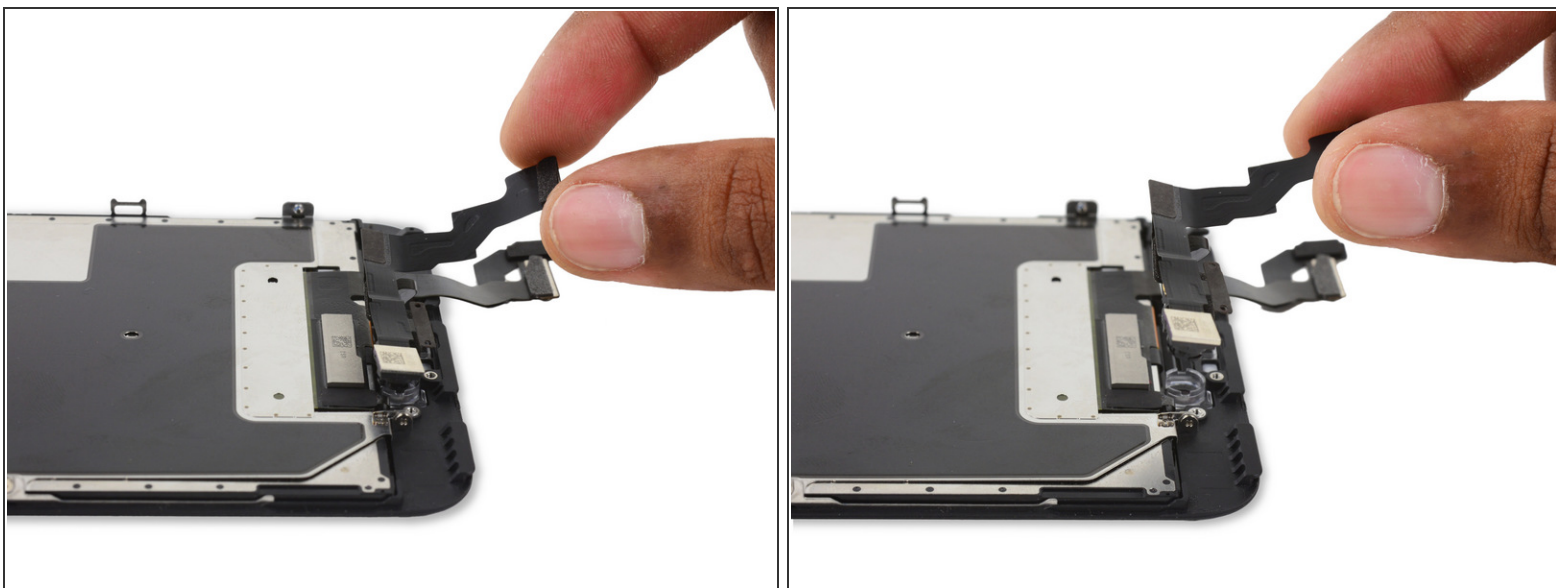
- Insert the pointed tip of a spudger between the microphone flex cable and the front panel to break the adhesive holding it in place.

Step 28



- Use the flat tip of a spudger to lift up the microphone and earpiece gasket.

Step 29



- Remove the FaceTime camera and sensor assembly.

To reassemble your device, follow these instructions in reverse order.

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